

REMARKS

The claims are rejected in view of the prior art. Reconsideration of the rejection is respectfully solicited.

Independent claim 1 includes limitations similar to those in related U.S. Patent 6,314,190 (the '190 patent). The Examiner originally rejected the '190 patent on the basis of the LIPNER reference, that is once again cited by the Examiner in this case. The Examiner ultimately concluded that LIPNER did not teach the invention of the '190 patent. Such a conclusion should be reached here as well. The MATYAS reference does not cure the shortcomings associated with the LIPNER reference. MATYAS and LIPNER individually and in combination fail to show or suggest several limitations of claim 1. In particular, these references fail to show or suggest, "information referencing the public key of the second key pair embedded within the public key of the first key pair." MATYAS mentions two keys, but does not show or suggest second key pair information embedded within the public key of the first key pair.

The recited encryption module of claim 1 is also absent from MATYAS. The examiner relies upon decryption teachings in MATYAS as meeting the encryption module limitation of claim 1. The claimed "encryption module automatically employing the public key of the second key pair during encryption of the message under the public key of the first key pair" is not shown or suggested by MATYAS.

In view of the foregoing, independent claim 1 should be in a condition for allowance. Claims 2-10 are dependent upon claim 1 and therefore should also be in a condition for allowance.

Independent claim 11 includes limitations of the type discussed in connection with claim 1 and therefore should be in a condition for allowance. Claims 12-21 are dependent upon claim 11 and therefore should also be in a condition for allowance.

The Examiner indicated that claim 28 is allowable. Claim 28 is dependent upon original claims 27, 25, and 22. Claim 22 is amended to include the limitations of claims 22, 25, 27, and 28. Therefore, claim 22 should now be in a condition for allowance. Claims 23-

24, 26, and 29 are dependent upon claim 22 and therefore should also be in a condition for allowance.

The Examiner indicated that claim 36 is allowable. Claim 36 is dependent upon claims 35, 33, and 30. Claim 30 is amended to include all of the limitations of claims 33, 35, and 36. Therefore, claim 30 should now be in a condition for allowance. Claims 31-32, 34, and 37-38 are dependent upon claim 30 and therefore should also be in a condition for allowance.

Claims 25, 27-28, 33, and 35-36 are cancelled because their limitations are incorporated into allowable claims. Claims 39-43 are cancelled without prejudice to simplify prosecution issues.

In sum, all claims should now be in a condition for allowance. If there are any residual prosecution issues that can be resolved with a telephone call, the Examiner is invited to contact the undersigned.

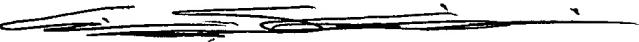
The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 03-3117.

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